

Tricia L. Holman

see projects at portfolio: <https://stormy9.github.io/stormcloud.enterprises@gmail.com> -- 971-264-3643

Education

Western Oregon University

Applied Baccalaureate of
Science → Computer Science

2017 ↔ 2020 GPA==3.6

2018\19: Edward B. Wright
Computer Science Scholarship

Chemeketa Community College

Associate of Science,
Computer Systems &
Information Technology

2015 ↔ 2017 GPA==3.9

Languages + Frameworks

- C# + LINQ + Razor
- ASP.NET \ MVC5
 - entity \ identity
- HTML5 + CSS3 + the DOM
- BootStrap
- JavaScript / jQuery
- AJAX + REST API's
- PHP
- Java \ OOP
- Python + pipenv \ Flask
- Database:
 - SQL\T-SQL + DDL
 - mySQL
 - mongoDB + Firebase
 - Oracle APEX
 - MS-SQL Server

WOU Senior Project

Software Engineering I + II + III

Petopia: Team Nerdvana \ Capstone Project \ Senior Sequence

A Pet Care web application for Pet Owners to find Pet Care Providers, and for Pet Lovers to earn income by registering as a Pet Care Provider.

Features: User registration & login ... role selection ... profile creation for Pet Owners, Pets, & Care Providers ... photo handling ... Pet Care Appointment transaction system (book\request, confirm\decline, reschedule, cancel) with email confirmations and on-site notifications for both parties ... Pet Owner↔Care Provider ratings & comments ... Pet Badges ... proximity finder ... payment processing API... security checks so only the right people can access certain pages... input validations.

As a team, developed algorithm combining proximity + rating + badges to calculate a user score to recommend Pet Care Providers to Pet Owners.

Practiced Disciplined Agile Delivery for Inception & Construction ... developed Epics, User Stories, Tasks ... used Pivotal Tracker to plan\track sprints ... used Git(Hub) for version control & collaboration.

other projects from college career

Database Management

Term project: designed & developed relational database for fictional "Happy Tails Dog Walkers", using MS Access & writing DDL/SQL... multiple tables, forms, queries, reports – plus friendly user interface and all documentation, user guide, and ERDs. (project=100% – class=98.7%)

Systems Analysis

Term project: developed & documented plans, business rules, user stories, and diagrams\modeling to build "Happy Tails" into a web app... designed to augment & complement existing database app, evolving Happy Tails into a fully functional, responsive, intuitive, user-friendly web presence. (project=100% – class=99%)

Web Application Development

Term project: re-worked a (purposely) poorly designed\developed web app into a responsive, functional, attractive design... including database interaction with user registration\log-in and site security using SQL & PHP. (project=100% – class=96.7%)

Computer Science II ~ Java

Final project: designed/coded mini "shopping" app demonstrating GUI, file read/write, inheritance & polymorphism, try/catch blocks and exception handling. First experience with Java (skipped CS I). (project=100% – class=97.6%)

- XML + JSON & YAML
- VisualBasic ... Haskell

more...

- Git \ GitHub + bash
- Postman \ cURL \
Insomnia
- Redis + Celery
- nginx \ load balancing
- Swagger + connexion
- Azure web apps + DB
- AWS VM + DB
- Heroku
- software/unit testing
 - pytest + coverage
 - html \ css validation
- VisualStudio ... Eclipse ...
LINQ-pad
 - lots of editors!

post-grad experimenting...

- node.js
- react
- angular
- ASP.NET core
 - building an API

Information Management

Final [team] project: collaboratively designed & developed relational database for a fictional wine collector from ground up; using Oracle APEX and writing DDL/SQL... comprising multiple tables, forms, queries, and reports – plus user interface; drafted all documentation, modeling\ERDs, and user guide. *(project=100% – class=97%)*

Microservices Architecture

Term project: extracted activity logging as a microservice from a monolithic web app “Wolfit” *(developed for our class)*... self-taught python on the fly... project included pytest+coverage, mongoDB, writing & calling RESTful APIs, load balancing with nginx, handling asynchronous calls with redis+celery, using swagger+connexion for API management... on AWS VM + Linux via Chromebook!

(project graded incrementally – class=92%)

Own / Operate Business

Stormcloud Enterprises ~ Independent Contractor

Mystery Shopping/Auditing ~ October 2010 to September 2015

- Successfully completed 1600+ undercover and revealed audits at dozens of businesses in Northwest Oregon
- Memorized and carried out a variety of complex scenarios to accurately fulfill shop/audit requirements
- Through objective observations and personal interactions, evaluated and documented customer service, facilities, inventory, presentation, and promotional materials while remaining unnoticed.
- Produced professional, comprehensive reports per each client’s specifications; prepared required documentation and evidence (including photos), in 12 to 24 hour turnaround timeframe.
- Set and managed work schedule; developed spreadsheet to track audits, clients, locations, dates/times, hours, mileage/drive-time, supplies, payments/reimbursements pending and received, tax data.
- Evaluations/reports consistently scored 9 to 10 out of 10 thus attaining preferred status for preferred assignments.

Receptionist / Phone Operator Business Connections Answering Service

Summer job ~ April to September 2018

- While doing Discrete Math in a summer intensive at WOU!
- Answered 150(+/-) calls per 6-hour shift on weekdays... lower call volume Sundays but increased caller interaction\service
- Handled calls for healthcare; veterinarians; lawyers; residential & commercial services; non-emergency police calls; county\city public service lines, various professional services.